S. R. A.-B. A. I. 394

UNITED STATES DEPARTMENT OF AGRICULTURE

SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

FEBRUARY 1940

If his publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the Bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties rake it desirable for them to have such information, and journals especially concerned. Others desiring capies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year (foreign, 60 cents). A supply will be sent to each official in charge of a station or branch of the Bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

CONTENTS

	Page
Changes in directory	17
Meat and meat food products prepared and processed under Federal meat inspection, January 1940.	. 18
Animals slaughtered under Federal meat inspection, January 1940	. 19
Meat and meat food products certified for export, January 1940.	. 19
Food animals and meat and meat food products inspected when offered for importation, January 1940	20
Summary of tuberculosis-eradication work in cooperation with States, January 1940	. 21
Summary of Bang's disease work in cooperation with States, January 1940.	. 22
Biological products prepared under licenses, January 1940	
Inspections and tests in the preparation of biological products under licenses, January 1940.	. 23
License issued for biological product, January 1940	. 23
Results of prosecutions for violations of laws	. 23
New publications of the Bureau	. 24
Amendments to Department regulations	. 24
Organization of the Bureau of Animal Industry	. 24

CHANGES IN DIRECTORY

Meat Inspection Granted

- *103. H. Graver Co., 3813–3815 South Morgan Street, Chicago, Ill. †*379. Hygrade Food Products Corporation, 307 Johnson Avenue, Brooklyn, N. Y.
- ‡*752. B. F. Combs, East Berkshire, Vt.
 - *929. Carroll Packing Co., Fisher and Water Streets, Prairie du Chien, Wis.

Meat Inspection Withdrawn

- 2-Z. Armour & Co., 312 West Front Street, Wilmington, Del. From Subsidiaries:
 - Empire Beef & Provision Co., Albert Lea Packing Co., and J. T. McMillan Co., under establishment 20, Wilson & Co., Inc., New York, N. Y. New York, N.
 - Empire Beef & Provision Co., The Wilson Laboratories, and J. T. McMillan Co., under establishment 20-C, Wilson & Co., Inc., Chicago, Ill.
 - Empire Beef & Provision Co., and J. T. McMillan Co., under
 - establishment 20-F, Wilson & Co., Inc., Faribault, Minn. Empire Beef & Provision Co., and Albert Lea Packing Co., under

 - Empire Beef & Provision Co., and Albert Lea Packing Co., under establishment 20-N, Wilson & Co., Inc., Omaha, Nebr. Empire Beef & Provision Co., and J. T. McMillan Co., under establishment 20-Q, Wilson & Co., Inc., Oklahoma City, Okla. Empire Beef & Provision Co., and J. T. McMillan Co., under establishment 20-Y, Wilson & Co., Inc., Albert Lea, Minn. Empire Beef & Provision Co., and J. T. McMillan Co., under establishment 111, Wilson & Co., Inc., Ceder Rapids, Iowa. Empire Beef & Provision Co., and J. T. McMillan Co., under establishment 119, Wilson & Co., Inc., Los Angeles, Calif. Empire Beef & Provision Co., and Albert Lea Packing Co., under establishment 645. Wilson & Co., Inc., Columbus, Ga.

 - establishment 645, Wilson & Co., Inc., Columbus, Ga. Charles M. Levenson Co., under establishment 928, E. M. Todd Co., Richmond, Va.

215209-40

Conducts slaughtering.

[‡] No sealed cars.

Change of Number of Official Establishment

103-A. H. Graver Co., 851 Fulton Street, Chicago, Ill., instead of establishment No. 103.

Change of Name of Official Establishment

66. Linden Dressed Beef Co., 416 East Linden Avenue, Linden, N. J., instead of Linden Packing Co., Inc.

Change of Location of Official Establishment

3-CC. Swift & Co., 2691 East Vernon Avenue, Vernon, Calif., instead of 922 East First Street, Los Angeles, Calif.

Change of Mail Address of Official Establishment

928. E. M. Todd Co., P. O. box 5167, Saunders Station, Richmond, Va., instead of P. O. box 76, West End Station, Richmond, Va.

Change of Mail Address of Official in Charge

Dr. L. C. Butterfield, 217 U. S. Customs and Court House, San Diego, Calif. instead of 302 U.S. Court House and Customs House.

New Stations

East Berkshire Vt., meat inspection, Dr. R. E. Pflugrad, care B. F. Combs, in

Prairie du Chien, Wis., meat inspection, Dr. J. R. Pooley, care Carroll Packing Co., Fisher and Water Streets, in charge.

Angleton, Tex., liver-fluke investigations, Dr. O. Wilfred Olsen, care Angleton Laboratory, in charge.

New Substation

Vernon, Calif., meat inspection, under Dr. B. J. Stockler, Los Angeles, Calif.

Under Lincoln, Nebr., in the Directory, add pathological laboratory, Dr. Charles G. Grey, 333 Federal Building, in charge.

On pages 21 and 38 of the Directory, add character indicating slaughtering operations preceding establishment 3–CC, Swift & Co., Vernon, Calif.

On pages 24 and 44 of the Directory, add Handsom, Va., as mail address of establishment 171, E. F. Drake, Sunbeam, Va.

MEAT AND MEAT FOOD PRODUCTS PREPARED AND PROCESSED UNDER FEDERAL MEAT INSPECTION, JANUARY 1940

Produet	Quantity	Product	Quantity
Meat placed in cure: Beef. Pork Smoked and/or dried: Beef. Pork Sausage: Fresh, finished. Smoked and/or cooked To be dried or semidried Loaf, headcheese, chili con carne, jellied products, etc. Cooked meat: Beef Pork	Pounds 9, 555, 904 266, 982, 600 4, 671, 728 134, 051, 939 13, 797, 005 42, 518, 796 9, 901, 140 9, 843, 330 631, 297 15, 528, 393	Canned meat and meat food products: Beef	Pounds 7, 412, 207 30, 963, 198 3, 747, 978 25, 715, 416 11, 039, 144 24, 778, 178 178, 394, 896 80, 141, 091 8, 598, 832 20, 533, 686 3, 666, 003 1, 634, 515

¹ This figure represents "inspection pounds" as some of the products may have been inspected and recorded more than once due to having been subjected to more than one distinct processing treatment, such as curing first and then canning.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, JANUARY 1940 1

Station	Cattle	Calves	Sheep and lambs	Goats	Swine
Chicago ² Denver Kansas City New York ³ Omaha. St. Louis ⁴ Sioux City South St. Paul ⁵	117, 396 10, 638 53, 018 41, 357 63, 475 47, 934 29, 300 55, 758	22, 731 1, 966 16, 733 55, 304 5, 088 24, 546 1, 303 42, 919	232, 878 21, 129 94, 770 275, 605 102, 180 45, 220 73, 902 85, 583		611, 043 41, 325 239, 409 224, 178 268, 368 345, 248 234, 332 369, 590
All other stations	408, 472	245, 701	666, 926	180	3, 022, 300
Total: January 1940 January 1939 7 months ended— January 1940	827, 348 761, 460 5, 816, 497	416, 291 414, 828 2, 987, 599	1, 598, 193 1, 455, 711 10, 531, 577	180 162 2, 533	5, 355, 793 4, 043, 152 27, 028, 944
January 1939	5, 845, 544	3, 105, 583	10, 652, 314	3, 493	23, 005, 015
¹ Horses slaughtered: January 1940 January 1939					
7 months ended— January 1940 January 1939					
Includes Elburn, Ill. Includes Includes Jersey City and Newark, N. J. Includes National Stock Yards and East & Includes Newport and St. Paul, Minn.					20, 480

MEAT AND MEAT FOOD PRODUCTS CERTIFIED FOR EXPORT, JANUARY 1940

	Quantity	during—		Quantity	during—
Produet	January 1940	January 1939	Product	January 1940	January 1939
Beef and veal: Fresh Cured Smoked Canned Edible organs: Fresh Cured Miscellaneous Mutton and lamb: Fresh Cured Edible organs, fresh Pork: Fresh Cured Smoked	Pounds 673, 879 526, 894 1, 133 335, 578 345, 813 14, 963 70, 941 38, 679 175, 414 11, 828, 009 12, 580, 085 279, 820	Pounds 139, 399 442, 271 613 292, 757 448, 517 9, 130 67, 262 13, 272 39, 574 117, 525 1, 452, 192 5, 335, 997 289, 267	Pork—Continued. Canned Edible organs: Fresh Cured Miscellancous. Sausage Lard Compound (lard substitute) Oleo stock Oleo oil Oleomargarine Total. Horse meat	268, 783 236, 875 3, 304 4, 850	Pounds 877, 069 1, 069, 398 15, 600 17, 298 273, 330 28, 266, 417, 580 219, 193 516 4, 092 39, 513, 918

FOOD ANIMALS AND MEAT AND MEAT FOOD PRODUCTS INSPECTED WHEN OFFERED FOR IMPORTATION, JANUARY 1940

Food animals passed for entry

Country of origin	Cattle	Swine	Sheep	Goats
Mexico. Canada. Virgin Islands (to Puerto Rico).	41, 269 10, 854 140	2 3 3	41	18 4
Total: January 1940 January 1939 7 months ended— January 1940 January 1939	52, 263 106, 410 333, 662 298, 778	8 15 125 204	41 135 2, 241 2, 395	22 1 140 32

Refused entry: 1,314 eattle. Inspected for movement in bond for reentry into Mexico: 531 eattle. (These figures are not included in the table above.)

Meat and meat food products passed for entry

	Chilled and frozen fresh meat			Cured	Canned	Sausage	Other		
Country of origin	Beef and veal	Mutton and lamb	Pork	meat	meat	(not canned)	products	Total	
Argentina	Pounds	Pounds	Pounds	Pounds	Pounds 3, 198, 416	Pounds	Pounds	Pounds 3, 198, 416	
Australia	119, 903						1, 551	121, 454	
Brazil				59,010	3, 386, 292		200	3, 445, 502	
Canada	33, 323		174, 307	45, 782		18, 180	485, 185	756, 777	
Denmark	145, 563				9, 223	6,051	3, 216	145, 563 18, 490	
Estonia					35, 628	0,001	3, 210	35, 628	
Great Britain					219		37, 619	37, 838	
Hungary					386, 099			386, 099	
Italy				480	1,541	27, 854		29, 875	
Japan					2,665			2, 665	
Netherlands				14, 278	8, 357	480	1,988	25, 103	
New Zealand	3, 991	584					1,000	5, 575	
Norway					2, 200			2, 200	
Paraguay				92, 695	620, 584 1, 604, 507		2,756	623, 340	
Uruguay				92, 093	1,004,507			1, 097, 202	
Total	302, 780	584	174, 307	212, 245	9, 255, 731	52, 565	533, 515	10, 531, 727	

Condemned: Canned beef, 86 pounds; fresh pork. 337 pounds; sausage, 4,120 pounds; total, 4,543 pounds. Refused entry: Canned beef, 10,330 pounds; total, 10,330 pounds.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, JANUARY 1940

		rculin luring nth	Tot	al to da	te 1		
State or Territory	Cattle tested	Cat- tle re- acted	Once- tested free herds	Ac- ered- ited herds	Herds under super- vision	Inspector in charge	State official
Alabama Arizona Arkansas	8, 141	16	12, 236	8	12, 593	R. E. Jackson F. L. Schneider A. W. Rice	T. B. Jones, Phoenix. C. D. Stubbs, Little
California	94, 785	1, 283	73, 587	22	74, 669	W. E. Howe	Rock. C. U. Duckworth, Sacramento.
Colorado Connecticut Delaware	. 19, 669	88	425	17, 147	18, 564	A. H. Francis R. L. Smith O. L. Lockwood.	R. M. Gow, Denver. R. L. Harding, Hartford. Harry McDaniel, Jr., Dover.
Dist. of Col	5, 132 849 1, 098 65, 697 15, 188 104, 492 6, 542	600 50 288 19 600	242, 166 51, 146 232, 608 146, 083 169, 000	66 43 29 654 1, 364 725 272	242, 265 51, 270 242, 834 147, 750	A. E. Wight T. H. Applewhite W. C. Dendinger A. K. Kuttler J. J. Lintner W. A. Sullivan J. A. Barger Ralph Graham E. E. Coshow	J. V. Knapp, Tallahassee. J. M. Sutton, Atlanta. E. T. Powell, Boise. J. P. Stout, Springfield. J. L. Axby, Indianapolis. H. A. Seidell, Des Moines. W. J. Miller, Topeka. D. E. Westmorland, Frankfort.
Louisiana	994	0	148, 782		148, 804	W. A. McDonald.	E. P. Flower, Baton Rouge.
Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri	28, 007 30, 394 10, 545 2, 961	30 131 138	43, 392 25, 848 13, 929 206, 787 197, 425 260, 164 237, 707	13, 981 11, 271 63	40, 578 25, 929 207, 087 198, 319 260, 229		H. M. Tucker. Augusta. Mark Welsh, Baltimore. Mark Galusha, Boston. C. H. Clark, Lansing. C. E. Cotton, St. Paul. E. S. Brashier, Jackson. H. E. Curry, Jefferson City.
Montana Nebraska Nevada New Hampshire New Jersey	20, 669 1, 064 13, 562	37	72, 999 134, 887 3, 417 151 1, 638	33 2 17, 842	73, 033 135, 227 3, 441 18, 082 17, 571	G.W. Cronen J. W. Murdoch R. A. Given E. A. Crossman J. R. Porteus	W. J. Butler, Helena. J. S. Anderson, Lincoln. Edward Records, Reno. R. W. Smith, Concord. R. A. Hendershott, Tren-
New Mexico	147	0	22, 104	17	25, 450	F. L. Schneider	ton. Sam McCue, Albuquer-
New York North Carolina North Dakota	113, 929 1, 307 13, 418	1, 414 0 40	5, 128 256, 170 70, 569	139, 076 463 240		H. B. Leonard A. A. Husman F. C. Driver	que. E. T. Faulder, Albany. William Moore, Raleigh. T. O. Brandenburg, Bis- marck.
OhioOklahoma	43, 145 2, 207	71 1	248, 885 276, 338	447 18	249, 573 276, 356	A. J. DeFosset L. J. Allen	F. L. Corr Columbus
Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee	3, 284 952	44 196 34 0 37 4	169, 772 141, 460 2, 242 55, 980 73, 241 294, 798	7 611	171, 715 167, 791 4, 000 56, 044 73, 365 294, 848	S. B. Foster J. B. Reidy E. A. Crossman W. K. Lewis C. H. Fauks H. L. Fry	D. II. Ricks, Oklahoma City. W. H. Lytle, Salem. C. P. Bishop, Harrisburg. G. W. Breed, Providence. W. K. Lewis, Columbia. R. S. Robinson, Pierre. A. C. Topmiller, Nash-
TexasUtah		5 1	252, 815 87, 091	72 128	492, 281 87, 439	H. L. Darby H. H. Cohenour.	ville. T. O. Booth, Fort Worth. W. H. Hendricks, Salt Lake City. E. H. Jones, Montpelier.
Vermont Virginia Washington West Virginia	38, 967 8, 441 21, 977 5, 018	223 25 40 10	5, 987 198, 414 73, 391 114, 092	19, 038 609 57 582	25, 192 199, 291 76, 475 114, 694	J. J. Staab H. S. Miller J. C. Exline H. M. Newton	M. R. Hales, Olympia. J. B. McLaughlin, Char-
Wisconsin	1, 162	170 3 30	179, 025 19, 140 1, 650 19, 000	3	187, 250 19, 145 1, 650 20, 000	J. S. Healy F. H. Melvin Lewis Bilikam S. H. Still	V. S. Larson, Madison. H. D. Port, Cheyenne. E. H. Willers, Honolulu. Isidoro A. Colon, San
Virgin Islands			424		424	S. H. Still	Juan. G. C. Kendall, Christian- sted.
Total	943, 991	5, 215	5, 786, 833	262, 974	6,388,672		outu.
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¹ All States are 100 percent modified accredited except California, which has 52 counties (89.7 percent) in the modified accredited area. Puerto Rico and the Virgin Islands are also in the modified accredited area.

SUMMARY OF BANG'S DISEASE WORK IN COOPERATION WITH STATES, JANUARY 1940 1

Otato an Mounitana		sts com- during	Results o		nation bl month	ood tests	Herds under	Cattle	
State or Territory	Herds	Cattle	Herds contain-	Total cattle	Re-	Negative		super- vision	waiting list
	Herds		ing in- fection	in herds	actors	Herds	Cattle		
labama	2,619	19,664	99	8, 121	417	2,520	11, 543	46, 707	55, 93
rizona rkansas !alifornia	433 1,331	2, 551 20, 832	12 141	306 5, 829	16 330	421 1, 190	2, 245 15, 003	2, 578 175, 477 10	2, 50
olorado	132	2, 280	11	485	18	121	1, 795	1,517	4, 34
Connecticut Delaware	76 122	2, 796 2, 256	20 23	1, 130 502	39 33	56 99	1, 666 1, 754	351 5, 197	2, 34
lorida	846	32, 268	127	17, 166	363	719	15, 102	15, 453	
łeorgiadaho	1,937 840	10, 027 9, 014	95 80	2, 667 1, 485	254 156	1,842 760	7, 360 7, 529	77, 236 24, 379	88, 32
llinois	328	5, 799	91	1,841	398	237	3,958	12, 224 5, 821	
ndiana owa	190 669	2, 632 12, 714	20 270	474 5, 873	50 866	170 399	2, 158 6, 841	22, 166	24 45, 64
Kansas Kentucky	42 224	1,652 3,662	9 31	425	36	33	1, 227 2, 921	2, 484	15
ouisiana	1,924	14, 516	74	741 2,989	46 160	193 1,850	11, 527	38, 714 58, 201	27, 39
Aaine	128 814	2, 433	39	885	92	89 611	1,548	2, 548	64
Aaryland Aassachusetts	814	13, 155 271	203	5, 145 102	520 1	3	8, 010 169	19, 105 148	24, 72
Aichigan	1,309 827	12, 694 17, 660	159 308	2, 199 7, 466	398	1, 150 519	10, 495 10, 194	20, 048 59, 067	10, 96
Ainnesota Aississippi	151	3,307	15	1, 173	661	136	2, 134	6,854	137, 49
Aissouri Aontana	769 125	10, 286 1, 817	103 10	1,974 344	237 25	666 115	8, 312 1, 473	72, 367	
Vebraska	103	1,948	36	858	156	67	1, 090	9,416 4,853	1, 60
Vevada Vew Hampshire	38 624	654 7,914	8 96	222 486	22 233	30	432 7, 428	1, 437 3, 426	1, 5
New Jersey	142	7,930	24	3,300	57	528 118	4,630	284	1, 0
New Mexico New York	164	2, 279 16, 532	23 183	602 7, 021	57 352	141 344	1,677 9,511	7, 292 3, 751	2, 50 24, 0
North Carolina	2,609	12, 254	42	1,734	66	2, 567	10,520	114, 781	120, 00
North Dakota Dhio	1, 659 1, 453	21, 696 15, 874	119 170	2, 595 3, 213	221 449	1,540 1,283	19, 101 12, 661	28, 799 44, 626	171, 79 6, 48
Oklahoma	748	12, 201	120	4, 211	292	628	7,990	41, 496	50, 0
Oregon Pennsylvania	2,362 4,979	24, 658 49, 881	129 307	5, 032 7, 260	305 775	2, 233 4, 672	19,626 42,621	76, 443 60, 590	185, 6
Rhode Island	11	423				11	423	122	
South Carolina South Dakota	268	3, 071 1, 451	$\frac{12}{10}$	394	25 29	256 42	2,677 1,240	23, 200 1, 467	3, 0
Cennessee	795	8,858	104	4, 297	345	691	4,561	35, 216	45, 0
Гехаs Utah		14, 619 5, 200	33 91	5, 647 2, 023	96 200	178 414	8,972 3,177	970 23, 605	24
Vermont	. 107	3, 223	25	847	41	82	2,376	391	1, 1
Virginia Washington	326	4, 106 17, 920	17 101	725	22 242	309 1,328	3,371	179, 387 73, 113	147, 8
West Virginia	495	5, 176	27	716	52	468	4,460	43, 564	
Wisconsin Wyoming	2, 097	47, 693 1, 678	359	11, 151	899 34	1,738	36, 542 1, 012	60, 093	41, 5
Puerto Rico								2,500	
Total	37, 595	491, 525	3,985	135,954	10, 121	33, 610	355, 571	1, 509, 277	1, 204, 59

 $^{^{\}rm 1}$ Officials in charge of Bang's disease work are the same as those listed in summary of tuberculosis-eradication work.

BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, JANUARY 1940

Anti-hog-cholera serum

Period	Preserved	Completed	Released	Destroyed
January 1940	Cc.	Cc.	Cc.	Cc.
January 1939	108, 462, 403	102, 417, 943	63, 232, 690	446, 903
7 months ended—	82, 306, 238	79, 004, 522	69, 327, 095	225, 758
January 1940	780, 097, 247	767, 383, 839	678, 468, 710	3, 817, 151
January 1939	552, 603, 804	551, 670, 547	569, 694, 840	2, 209, 877

Hog-cholera virus

		Produced	Destroyed		
Period	Simulta-	Hyperimmu-	Inoculat-	Simulta-	Hyperim-
	neous	nizing	ing	neous	munizing
January 1940.	Cc.	Cc.	Cc.	Cc.	Cc.
January 1939	1, 802, 689	22, 427, 196	65, 324	137, 755	854, 379
7 months ended—	3, 855, 420	20, 882, 779	71, 874	113, 818	645, 127
January 1940	32, 699, 952	152, 095, 871	457, 679	2, 162, 634	4, 977, 230
January 1939	34, 945, 963	112, 083, 097	388, 044	1, 088, 459	3, 716, 730

INSPECTIONS AND TESTS IN THE PREPARATION OF BIOLOGICAL PRODUCTS UNDER LICENSES, JANUARY 1940

Period	Animal inspec-	Animal rejec-	Pigs in-	Hogs	Tests supervised	
1 enou	tions	tions	oeulated	hypered	Serum	Virus
January 1940 January 1939 7 months ended—	300, 808 258, 184	3, 607 2, 515	24, 658 22, 055	17, 131 15, 566	330 280	93 143
January 1940 January 1939	2, 146, 521 1, 589, 344	23, 068 16, 388	169, 227 129, 160	120, 796 88, 645	3, 038 2, 324	1, 255 1, 240

LICENSE ISSUED FOR BIOLOGICAL PRODUCT, JANUARY 1940

License 208 (limited to calendar year 1940), was issued January 9, 1940, to Fromm Laboratories, Inc., near Grafton, Wis., for: Canine-distemper vaccine.

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the Bureau, as follows:

Twenty-eight-Hour Law

Erie Railroad Co., \$100 penalty. Missouri Pacific Railroad Co., \$100 penalty. New York Central Railroad Co., \$100 penalty. Pennsylvania Railroad Co., \$100 penalty.

Livestock Quarantine Law

Kirby Teater, Lexington, Ky., interstate shipment of swine affected with hog cholera (Kentucky to Ohio), \$250 fine.



NEW PUBLICATIONS OF THE BUREAU

[The Bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Circular 543. Two Rapid Methods for Estimating Fineness and Cross-Sectional Variability of Wool. By J. I. Hardy and H. W. Wolf, Animal Husbandry

Division. Pp. 16, figs. 8.
Amendment 12 to B. A. I. Order 211—Revised. Conferring Authority Upon the Chief of the Bureau of Animal Industry Under the Meat-Inspection Act. Effective December 7, 1939. P. 1.

Amendment 40 to Declaration 12 under B. A. I. Order 309. Declaring Names of Counties Placed in Modified Tuberculosis-Free Accredited Areas. Effective

February 1, 1940. Pp. 2, mimeographed.

A. H. D. No. 25 (revised). State Participation in The National Poultry Improvement Plan, February 1, 1940. By Animal Husbandry Division. Pp. 5, mimeographed.

AMENDMENTS TO DEPARTMENT REGULATIONS

The following amendments to the regulations of the Department have been issued:

Amendment 93, covering regulations 3438 and 3439.

Amendment 94, covering regulation 1533. Amendment 95, covering regulation 4423.

Amendment 96, covering regulations 1621, 1622, 1623, and 1624.

A revised table of contents for the Regulations of the Department has also been issued and distributed to employees who have copies of the regulations.

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

Chief: JOHN R. MOHLER.

Assistant Chief: A. W. MILLER. Assistant Chief: HARRY W. SCHOENING.

Assistant Chief: HARRY W. SCHOENING.
Assistant Chief: PAUL E. HOWE.
Business Manager: J. R. COHRAN.
Assistant Business Manager: N. A. OLMSTEAD.
Assistant to Chief: D. S. Burch.
Animal Husbandry Division: Hugh C. McPhee, Chief.
Animal Nutrition Division: Paul E. Howe, Chief.
Biochemic Division: Robert M. Chapin, Chief.
Division of Tick Eradication and Special Diseases: W. M. MacKellar, Chief.
Division of Virus Serum Control: D. J. Skidder. Chief.

Division of Virus-Serum Control: D. I. Skidmore, Chief. Field Inspection Division: S. O. Fladness, Chief. Interstate Inspection Division: A. W. Miller, Chief. Meat Inspection Division: Edward C. Joss, Chief. Pathological Division: Harry W. Schoening, Chief.

Tuberculosis Eradication Division: A. E. Wight, Chief.

Zoological Division: BENJAMIN SCHWARTZ, Chief.

Animal Disease Station: ADOLPH EICHHORN, Director.

U. S. GOVERNMENT PRINTING OFFICE: 1940